

**TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371**

Date of Mailing:

1 June 2006

Attorney Docket No.

0380-P03923US0

U.S. Application No.(If Known)

10/562,951

Express Mail Label No.:

EL997341605US

Int'l Application No.

PCT/GB2004/002739

Int'l Filing Date

25 June 2004

Priority Date Claimed

25 June 2003

TITLE OF INVENTION

Screening Methods

Applicant(s) for DO/EO/US

ANDERTON, Brian; HANGER, Diane; WARD, Malcolm and BYERS, Helen

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☐ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☒ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☐ The US has been elected (Article 31).
5. ☐ A copy of the International Application as filed (35 U.S.C. 371©)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. An English language translation of the International Application as filed (35 U.S.C. 371©)(2)).
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371©)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 ©)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371©)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371©)(5)).

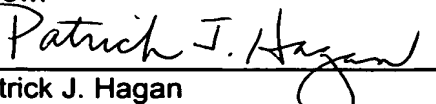
**Items 11 to 20 below concern document(s) or information included:**

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A **FIRST** preliminary amendment.
14. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
15. ☐ A substitute specification.
16. ☐ A change of power of attorney and/or address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information:
  - Supplemental Information Disclosure Statement
  - Certificate of Mailing by Express Mail Under 37 C.F.R. §1.10
  - Form PTO/SB/08a (1 page)
  - Form PTO/SB/08b (2 pages)
  - Postcard

U.S. Application No. 10/562,951		International Application No. PCT/GB2004/002739		Docket No. 0380-P03923US0	
The following fees are submitted:					
21. <input type="checkbox"/> BASIC NATIONAL FEE .....				\$300	\$0
22. <input type="checkbox"/> Examination Fee USPTO was International Searching Authority or International Preliminary Examining Authority and all claims satisfy provisions of PCT Article 33(1)-(4) .....				\$0	\$0
All other situations .....				\$200	
23. <input type="checkbox"/> Search Fee USPTO was International Searching Authority or International Preliminary Examining Authority and all claims satisfy provisions of PCT Article 33(1)-(4) .....				\$0	
Search fee (37 CFR 1.445(a)(2) has been paid on the international application to the USPTO as a International Searching Authority. ....				\$100	
International Search Report prepared by International Search Authority other than USPTO, but provided to Office by Applicant(s) .....				\$400	
All other situations .....				\$500	
Total of 21, 22, 23					\$0
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program filed in an electronic medium). Total Sheets      Extra Sheets      No. of each add'l 50 (round up to whole number) -100 =                      /50 =                      x \$250					\$0
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date					\$0
Claims	Number Filed	Number Extra	Rate		
Total Claims	-20	=	50	\$0	
Independent Claims	-3	=	0	200	\$0
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360		
<b>TOTAL OF ABOVE CALCULATIONS</b>					\$0
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½					\$0
<b>SUBTOTAL =</b>					\$0
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f))					\$0
<b>TOTAL NATIONAL FEE =</b>					\$0
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property					\$0
<b>TOTAL FEES ENCLOSED =</b>					\$0

- a. ☒ A check in the amount of \$0 to cover the above fees is enclosed
- b. ☐ Please surcharge Deposit Account No. 04-1406 in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 04-1406. A duplicate copy of this sheet is enclosed.

SEND ALL CORRESPONDENCE TO: **CUSTOMER NUMBER 000110** to the attention of the individual listed below.

  
 Patrick J. Hagan  
 Registration No. 27,643

**THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of : Brian Anderton, et al.  
Serial No. : 10/562,951  
Filing Date : December 23, 2005  
Examiner : Not yet assigned  
Group Art Unit : Not yet assigned  
Entitled : "Screening Methods"

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Suite 2400  
1601 Market Street  
Philadelphia, PA 19103  
(215) 563-4100 (telephone)  
(215) 563-4044 (facsimile)  
Our File No. 0380-P03923US0  
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Mail Stop: AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE**  
**STATEMENT UNDER 37 C.F.R. §1.97**

Dear Sir:

In compliance with the duty of disclosure set forth in 37 C.F.R. § 1.56, Applicants are submitting herewith one sheet of Form PTO/SB/08a and two sheets of Form PTO/SB/08B listing references which the Examiner is respectfully requested to consider and make of record in this application. This Supplemental Information Disclosure Statement is being filed more than three months after the filing date, but before receipt of the first Official Action on the merits. Thus, it is believed by the undersigned attorney that no fee is required under 37 C.F.R. §1.97(b)(3).

All references listed in this Supplemental Information Disclosure Statement were cited in the PCT and GB Search Reports on which this U.S. national stage patent application is based.

This submission is not an admission that the references listed on the attached Forms PTO/SB/08a and PTO/SB/08b constitute prior art against the claims of this application.

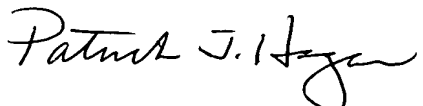
The above-identified international application entered the U.S. national phase after June 30, 2003. Therefore, copies of the U.S. patents and/or published U.S. applications listed on Forms PTO/SB/08a and PTO/SB/08b are not included (see O.G. Notice, August 5, 2003).

The Examiner is respectfully requested to confirm receipt and consideration of the cited references by initialing and returning a copy of the attached Forms PTO/SB/08a and PTO/SB/08b in accordance with MPEP §609.

In the event that any fee is required in connection with this submission and not enclosed, the Commissioner is authorized to charge such fee to the account of the undersigned attorneys, Account No. 04-1406. A duplicate copy of this paper is enclosed.

Early and favorable consideration of this application is respectfully requested.

Respectfully submitted,  
DANN, DORFMAN, HERRELL AND SKILLMAN  
A Professional Corporation  
Agent for Applicants

By:   
Patrick J. Hagan  
Registration No. 27,643

PJH:CB

Enclosures - Forms PTO/SB/08a and PTO/SB/08b  
- Copy of references

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

Sheet	1
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of 3

**Complete if Known**

Application Number	10/562,951
Filing Date	December 23, 2005
First Named Inventor	Brian Anderton, et al.
Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	0380-P03923US0

## U. S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner  
Signature**

Date  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.*

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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				Complete if Known	
<b>Application Number</b>		10/562,951			
<b>Filing Date</b>		December 23, 2005			
<b>First Named Inventor</b>		Brian Anderton, et al.			
<b>Art Unit</b>		Not yet assigned			
<b>Examiner Name</b>		Not yet assigned			
<b>Attorney Docket Number</b>		0380-P03923US0			
Sheet	2	of	3		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		GHOSHAL, N. et al., "A New Molecular Link between the Fibrillar and Granulovacuolar Lesions of Alzheimer's Disease," American Journal of Pathology, 155(4):1163-1172, (1999)	
		HANGER, D. et al., "New Phosphorylation Sites Identified in Hyperphosphorylated Tau (Paired Helical Filament-Tau) from...", Journal of Neurochemistry, 71:2465-2476, (1998)	
		LAMBERT, M. et al., "Diffusible, nonfibrillar ligands derived from AB1-42 are potent central nervous system neurotoxins," Proc. Natl. Acad. Sci., 95:6448-6453, (1998)	
		LEE, V. et al., "Neurodegenerative Tauopathies," Annu. Rev. Neurosci., 24:1121-1159, (2001)	
		MULOT, S. et al., "PHF-tau from Alzheimer's brain comprises four species on SDS-PAGE which can be...", Federation of European Biochemical Societies, 349:359-364, (1994)	
		SHIRAZI, S. et al., "The protein tyrosine kinase, fyn, in Alzheimer's disease pathology," Neuro Report, 4:435-437, (1993)	
		SINGH, T. et al., "Modulation of GSK-3-catalyzed phosphorylation of microtubule-associated protein tau by...", Federation of European Biochemical Societies, 358:4-8, (1995)	
		SINGH, T. et al., "Rapid Alzheimer-like phosphorylation of tau by the synergistic actions...", Federation of European Biochemical Societies, 358:267-272, (1995)	
		WILLIAMSON, R. et al., "Rapid Tyrosine Phosphorylation of Neuronal Proteins Including Tau and Focal Adhesion Kinase in...", The Journal of Neuroscience, 22(1):10-20 (2002)	
		GOEDERT, M. et al., "Cloning and sequencing of the cDNA encoding an isoform of microtubule-associated protein tau containing four...", The EMBO Journal, 8(2):393-399 (1989)	

<b>Examiner Signature</b>		<b>Date Considered</b>	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Sheet <b>3</b> of <b>3</b>	Application Number	10/562,951
	Filing Date	December 23, 2005
	First Named Inventor	Brian Anderton, et al.
	Art Unit	Not yet assigned
	Examiner Name	Not yet assigned
Attorney Docket Number		0380-P03923US0

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		GOEDERT, M. et al., "Expression of separate isoforms of human tau protein: correlation with the tau pattern in brain and...", The EMBO Journal, 9(13):4225-4230, (1990)	
		GRAVES, P. et al., "Molecular Cloning, Expression, and Characterization of a 49-Kilodalton Casein...", The Journal of Biological Chemistry, 268(9):6394-6401, (1993)	
		GOEDERT, M. et al., "Multiple Isoforms of Human Microtubule-Associated Protein Tau: Sequences and Localization in Neurofibrillary Tangles of...", Neuron., 3:519-526, (1989)	
		SCALES, T. et al., "Tyrosine Phosphorylation of Specific Sites on Tau by SRC Family Kinases," Neurobiol. Aging, 23:S500-S501, (2002)	

Examiner Signature		Date Considered	
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If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

**DANN DORFMAN HERRELL AND SKILLMAN, P.C.**

1601 Market Street, Suite 2400  
Philadelphia, Pennsylvania 19103-2307  
Telephone: (215) 563-4100  
Facsimile: (215) 563-4044

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Caren Burgoon

Typed Name of Person Mailing Paper or Fee

  
Signature of Person Mailing Paper or Fee

Re: U.S. Patent Application No. 10/562,951  
(National Phase of International  
Patent Application No. PCT/GB2004/002739  
Entitled: Screening Methods  
International Filing Date: 25 June 2004  
Earliest Claimed Priority Date: 25 June 2003  
Our File No. 0380-P03923US0

**Enclosures:**

- Transmittal Letter to the DO/EO/US Concerning a Filing Under 35 U.S.C. §371 (in duplicate)
- Supplemental Information Disclosure Statement Under 37 C.F.R. §1.97
- Form PTO/SB/08a (1 page)
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